(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property **Organization**

International Bureau



) (1818-1811) (1818-1818-1818-1818) (1818-1818) (1818-1818) (1818-1818) (1818-1818) (1818-1818) (1818-1818) (18

(43) International Publication Date 29 January 2004 (29.01.2004)

PCT

(10) International Publication Number WO 2004/009470 A2

(51) International Patent Classification7:

(21) International Application Number:

PCT/EP2003/007937

B65D 83/04

(22) International Filing Date:

17 July 2003 (17.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0216831.8

14 Jun 05
19 July 2002 (19.07.2002) GB

(71) Applicant (for all designated States except US): GLAXO GROUP LIMITED [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ANDERSON, Gregor, John, McLennan [GB/GB]; GlaxoSmithKline, Park Road, Ware, Hertfordshire SG12 0DP (GB).

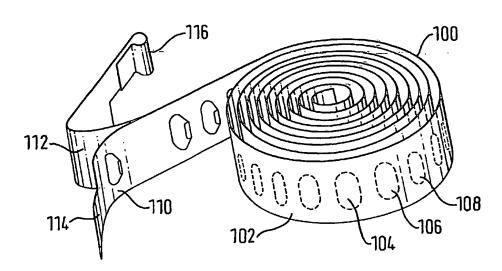
(74) Agent: THOMPSON, Clive, Beresford; GlaxoSmithKline, Corporate Intellectual Property (CN925.1), 980 Great West Road, Brentford, Middlesex TW8 9GS (GB).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA. UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: MEDICAMENT DISPENSER



(57) Abstract: There is provided a medicament dispenser for use with a medicament carrier having multiple distinct medicament doses carried thereby and an internal mechanism for dispensing the distinct medicament doses carried by said medicament carrier. The mechanism comprises receiving means for receiving the medicament carrier; release means for releasing a distinct medicament dose from the medicament carrier on receipt thereof by said receiving means; an outlet, positioned to be in communication with the medicament dose releasable by said release means; indexing means for individually indexing the distinct medicament doses of the medicament carrier; and counting means for counting each time a distinct medicament dose of the medicament carrier is indexed by said indexing means. The counting means is a distinct electronic counter unit that is reversibly receivable by the medicament dispenser.